

# MODIS Level-1B Calibrated, Geolocated Radiances

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The Level 1B data set contains calibrated and geolocated at-aperture radiances for 36 bands generated from MODIS Level 1A sensor counts (MOD 01). The radiance units are in  $\text{W m}^{-2} \mu\text{m}^{-1} \text{sr}^{-1}$ . In addition, Earth BRDF may be determined for the solar reflective bands (1-19, 26) through knowledge of the solar irradiance (e.g., determined from MODIS solar diffuser data, and from the target illumination geometry). Additional data are provided including quality flags, error estimates and calibration data.

Visible, SWIR, and NIR measurements are made during daytime only, while radiances for TIR are measured continuously. Only Channels 1 and 2 have 250-m resolution, Channels 3-7 have 500-m resolution, and the rest have 1-km resolution.

## MOD 02 PRODUCT SUMMARY

**Coverage:**

global, daily (daytime and nighttime)

**Resolution:**

0.25, 0.5, and 1 km

**Wavelengths:**

20 channels 0.4-3.0  $\mu\text{m}$ , 16 channels  
3-15  $\mu\text{m}$

**Product Type:**

standard, at-launch

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